

Date: 1 SEP 94

State: Virginia (NGB)

RECORD OF ENVIRONMENTAL CONSIDERATION

1. Title: (Project/action) Installation of Rotatable Log-Periodic Antenna at Army National Guard Readiness Center (ARNGRC)
2. Description of Proposed Action: (including existing environmental setting) The antenna will be installed on the roof of a three-story building in Arlington, VA. It will be mounted to the top of a 12-m high mast. The HF radio transceiver produces 500 W of RF power in the 6.2-30 MHz frequency range. Access to this roof is restricted, and there are no elevated structures close to this building.
3. Anticipated Start Date and/or Duration of Proposed Action: Project is anticipated to begin the first two weeks of November 1994 (1st Quarter of Fiscal Year FY). Installation of project will take two weeks. This action will only be good for a five year time frame once approval has been granted from the National Capital Planning Commission.
4. It has been determined that the action (choose one)

a. Is adequately covered in the existing EA _____ EIS _____

Entitled _____

And dated _____

b. Qualifies for Categorical Exclusion # A-7 (Appendix A. AR 200-2.)

c. Is exempt from NEPA requirements under the provisions of
(cite superseding law)

SIGNED [Signature] cel
(Proponent for action)

Date: 30 Aug 94

CONCURRENCE [Signature] LTC
(Land owner, Coordinator, etc)

Facility Manager

Date: 30 Aug 94

CONCURRENCE: [Signature] MAJ
(~~Staff~~ Environmental Specialist)
NEB

Date: 30 Aug 94

CONCURRENCE [Signature]
(FOR THE COMMANDER, DIRECTOR, ENVIRONMENTAL
PROGRAMS DIRECTORATE)

Date: 8/31/94

Date 1 SEP 94

State Virginia (NGB)

(420/1391) Project Number #1

ARNG ENVIRONMENTAL CHECKLIST
(to be completed by proponent)

1. BACKGROUND.

- a. Name of proponent National Guard Bureau (NGB-ARO)
- b. Address and phone number of proponent (POC) 111 S. George Mason Dr.
Arlington, VA 22204, (703) 607-9351 (ATTN: MSG Ferguson/MSG Recker)
- c. Name of proposal Installation of Rotatable Log-Periodic Antenna at Army
National Guard Readiness Center (ARNGRC)
- d. Start and End dates of proposed action November 1994 (1-15 November)

e. Has the project/action been addressed in a separate environmental document? If so, give title, agency, and date.

NO

2. DESCRIPTION: All questions in this section must be answered (Include a 1/50, 1/25, 1/24, or 1/12.5 USGS, Army tactical or equivalent map with the site clearly marked.)

a. The project/action will involve (Check one or more)

- ☐ Training Activities/areas
- ☒ Construction
- ☐ Maint/Repair/Rehab
- ☐ Lease or license
- ☐ Reorganization/Restationing
- ☒ Environmental Permits/Inspections
- ☐ Others (explain)

b. Has the real estate action been addressed in a separate environmental documentation? If so, give the title and date.

NO

c. Description and location of ARNG proposal A Rotatable Log-Periodic Antenna will be installed on the roof of the Army National Guard Readiness Center (ARNGRC), located at 111 S. George Mason Dr., Arlington, VA 22204. The building is three-stories high and the antenna will be mounted to the top of a 12-m high mast. The HF radio transceiver produces 500 W of RF power in the 6.2-30 MHz frequency range. Access to this roof is restricted, and there are no elevated structures close to this building.

d. Environmental setting including present and past use of the proposed site: The present land facility is being used as the Army National Guard Bureau Readiness Center. This action is being considered to enhance the communication capabilities.

e. How is the land currently zoned, commercial/part of an industrial park/airport/ other? Commercial/industrial

f. Distance to environmentally sensitive areas? List the sites by type and distance. 1 Church-75m, 1-Church-100m, Residential areas 100m, National Foreign Affairs Training Center (State Dept.) 100m.

3. ENVIRONMENTAL IMPACT ANALYSIS. (Select most correct answer to each question.)

	YES	MAYBE	NO	N/A
a. <u>Air.</u> Will the proposal result in: (Ref: AR 200-1 Chpt 4)				
(1) Air Emissions, introduction of smoke, dust suspended particles, or noxious gases into the air which may result in the deterioration of air quality?	_____	_____	<u>X</u>	_____
(2) The creation of objectionable odors or smoke?	_____	_____	<u>X</u>	_____
(3) Particulate/dust migration beyond facility boundaries?	_____	_____	<u>X</u>	_____
(4) Are Permits required?	_____	_____	<u>X</u>	_____
b. <u>Traffic.</u> Will the proposal result in:				
(1) Generation or increase in aircraft activity or traffic?	_____	_____	<u>X</u>	_____
(2) Generation or increase in vehicular movement or activity?	_____	_____	<u>X</u>	_____
(3) Use/creation of unimproved roads?	_____	_____	<u>X</u>	_____
c. <u>Noise.</u> Will the proposal result in: (Ref AR200-1, Chpt 7)				
(1) Increased noise levels?	_____	_____	<u>X</u>	_____

YES MAYBE NO N/A

(2) Location close to a civilian community where noise might affect the population? Provide the distance to the nearest noise sensitive area.

- a. Residence _____
- b. Church _____
- c. School _____
- d. Hospital _____

_____ X

(3) Specifying minimum altitudes and flight times for aircraft operations to insure noise impacts are minimized?

_____ X

(4) Additional night (2200-0700) hours operations?

X _____

(Operational 24 hours a day with no environmental impact)

d. Earth. Will the proposal result in:

(1) Long term disruptions, displacement, compaction, overcovering of the soil, permanent changes in topography or ground surface relief features?

_____ X

(2) Long term increase in wind or water erosion of soils, either on or off the site?

_____ X

e. Natural Resources. "No" answers in this section must be supported by a letter or a phone record from a subject matter expert (SME) who was contacted, include date and position of the SME.

Will the proposal result in: (Ref. AR 200-1 12-3)

(1) Change in the diversity of species or numbers of any species of mammals, birds, reptiles, amphibians, and fish or plants including trees, shrubs, grass, crops, microflora, or aquatic plants?

_____ X

(2) Introduction of new species of animals or plants into an area?

_____ X

(3) Reduction of the numbers of any listed, proposed, or candidate threatened, unique, rare, or endangered species of plants or animal?

_____ X

(4) The introduction of a barrier to the migration or movement of animals?

_____ X

(5) Deterioration, alteration, or destruction to existing wildlife or fish habitat? _____ X

(6) Increase in the rate of use of any natural resources? _____ X

(7) Depletion of any non-renewable natural resource? _____ X

(8) Alteration, destruction, or significant impact on environmentally sensitive areas? _____ X

f. Land Use. Will the proposal result in:

(1) The alteration of the present land use of an area? _____ X

(2) Will the proposed project/action take place on:
(must check one)

(a) State owned land? _____

(b) Federal owned (DOD owned land? X _____

(c) Privately owned land? _____

(d) County/city owned? _____

(e) Other? _____

(specify) _____

(3) Does the proposal contain a federal real estate action? PAS done? _____ X

(a) Require an increase of acreage/amendment to an existing lease, license, _____ X

(b) Require new purchase of _____ (no.) Acres with Federal, State, or other funds? _____ X

(c) Require new lease, license, land use permit for _____ (no.) Acres? _____ X

(d) Does action require the disposal or replacement of existing facilities? _____ X

YES MAYBE NO N/A

g. Hazardous Risk/Waste Disposal. Will the proposal result in: (Ref. AR 200-1, Chpt. 6)

- | | | | | |
|--|-------|-------|----------|-------|
| (1) Generation of hazardous waste? | _____ | _____ | <u>X</u> | _____ |
| (2) Treatment, storage, and/or disposal of hazardous waste or materials? | _____ | _____ | <u>X</u> | _____ |
| (3) The storage, treatment, or disposal site/facility being permitted? | _____ | _____ | <u>X</u> | _____ |
| (4) Risk of an explosion, spill, or the release of oil or hazardous substances including, but not limited to pesticides, chemicals or radiation? | _____ | _____ | <u>X</u> | _____ |
| (5) A need for procedures to be specified for the proper handling, storage, use, disposal, and cleanup of hazardous and or toxic materials? | _____ | _____ | <u>X</u> | _____ |
| (6) A need for trained personnel to be available for handling and disposal of hazardous and toxic materials? | _____ | _____ | <u>X</u> | _____ |
| (7) The generation of solid wastes which must be disposed of either on site or off site by contractor? | _____ | _____ | <u>X</u> | _____ |
| (8) Training that generates or has the potential to generate HWs? | _____ | _____ | <u>X</u> | _____ |
| (9) Opportunity for hazardous minimization and recycling? | _____ | _____ | <u>X</u> | _____ |

h. Water. Will the proposal result in: (Ref AR 200-1 Chpt 3)

- | | | | | |
|---|-------|-------|----------|-------|
| (1) Changes in currents or the course of water movements in either marine or fresh waters?
(ie drainage patterns) | _____ | _____ | <u>X</u> | _____ |
| (2) Discharge into surface waters or any alteration of surface water quality? | _____ | _____ | <u>X</u> | _____ |
| (3) Change in the quality and/or quantity of ground waters, either through direct additions, withdrawals, or through interception of an aquifer by cuts or excavations? | _____ | _____ | <u>X</u> | _____ |

YES MAYBE NO N/A

(4) Potential for accidental spills of hazardous or toxic materia near or in a body of water? _____ _____ X _____

(5) The need for spill prevention and contingency measures to be developed? _____ _____ X _____

(6) The construction of facilities or implementation of actions within floodplains or wetlands? _____ _____ X _____

(7) Requires a discharge permit? _____ _____ X _____

i. Archeological/historical.

a. Will the proposal result in an alteration or destruction of an archeological or historical site, structure, object, or building on or eligible for inclusion in the National Register of Historic Places? (Ref. AR 200-1, Chpt. 12 sec 12-4) _____ _____ X _____

b. All areas have not been critically evaluated _____ _____ X _____

j. Population. Will the proposal alter the location, distribution, or density of the human population of an area? _____ _____ X _____

k. Utilities. Will the proposal result in a need for new systems, or alterations to the following utilities:

(1) Electrical power, fossil fuel or other (Controller Cable)? X _____ _____ _____
specify

(NOTE: Cable will be utilized to carry signal from transmitting station to antenna)

(2) Drinking water? _____ _____ X _____

(3) Wastewater treatment? _____ _____ X _____

(4) Sewer collection system? _____ _____ X _____

(5) Washracks? _____ _____ X _____

4. DISCUSSION OF ENVIRONMENTAL ANALYSIS AND POTENTIAL IMPACTS INCLUDE MITIGATION: (Address all "Yes" and "Maybe" answers and "No" answers in the Natural Resources section on a separate sheet)

5. DETERMINATION

(To be completed by the State/Territory Environmental POC)

YES MAYBE NO N/A

a. Mandatory Findings or Significance.

(1) Does the project have the potential to degrade the quality of the environment, or curtail the diversity in environment? _____ X _____

(2) Does the project have the potential for cumulative impacts on environmental quality when effects are combined with those of other actions or when the action is of lengthy duration (i.e. multiple construction, training exercises, mission expansion)? _____ X _____

(3) Does the project have environmental effects which will cause substantial adverse effects on humans either directly or indirectly? (ie Noise, Air Quality, Water Quality, Quality of Life) _____ X _____

On the basis of this initial evaluation, prepare (check one):

_____ A Preliminary Assessment Screening (PAS)

X A Record of Environmental Consideration (REC) IAW paragraph 4-3, AR 200-2

_____ An Environmental Assessment (EA) based on paragraphs 5-2 and 5-3 criteria, IAW paragraph 5-4, 5-5, AR 200-2

_____ Notice of Intent (NOI) to prepare an Environmental Impact Statement based on paragraphs 6-2 and 6-3 criteria, IAW paragraph 6-7, AR 200-2

Signature: QuBarrow, COL

Proponent

Concurrence _____

State/Territory Environmental Specialist

Date: 30 Aug 94

Date: _____